CC Technical Documentation
RM-11 Series Transceivers

Troubleshooting - FM Radio

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Troubleshooting – FM Radio

The FM radio circuits are located on the bottom of the PWB, near the Tomahawk connector.

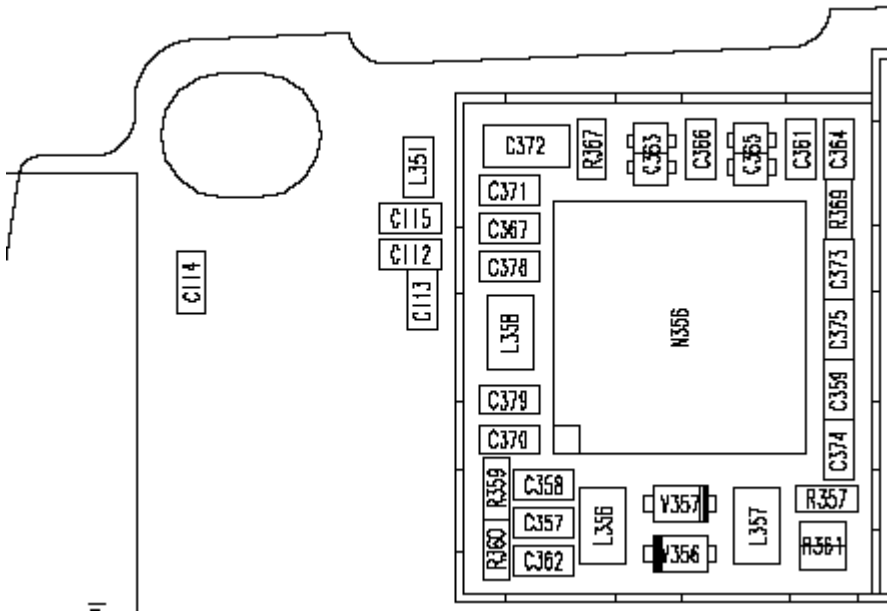

Figure 1: FM radio circuits

FM Radio Testing with Tomahawk Headset

1. Connect the Tomahawk headset (HDS-3) to the Tomahawk connector (bottom connector).
2. Select "Radio" from the phone's User Interface Menu control.
3. Set a local radio station by selecting "Automatic Tuning" from the Radio Menu and pressing the UP arrow.
4. Listen for sound out of the Tomahawk headset.
   - If there is a signal present, continue with step 1 in the next section, "FM Radio Testing with UHJ Headset".
   - If there is no static or sound present, inspect all the FM radio circuits on the bottom PWB layer and refer to the *Troubleshooting - Baseband* section of this manual on audio amplifier troubleshooting.

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FM Radio Testing with UHJ Headset

1. Disconnect the Tomahawk headset (HDS-3) from the Tomahawk connector and connect the UHJ headset.
2. Select the "Radio" menu from the phone's User Interface Menu control.
3. Set a local station by selecting "Automatic Tuning" from the Radio menu and then pressing the Up arrow.
4. Listen for sound out of the headset.
   - If there is a signal present, the radio is functioning properly.
   - If there is no static or sound present, then inspect the FM radio, Baseband circuits, and audio circuits. Consult the *Troubleshooting - Baseband* section of this manual for audio troubleshooting.

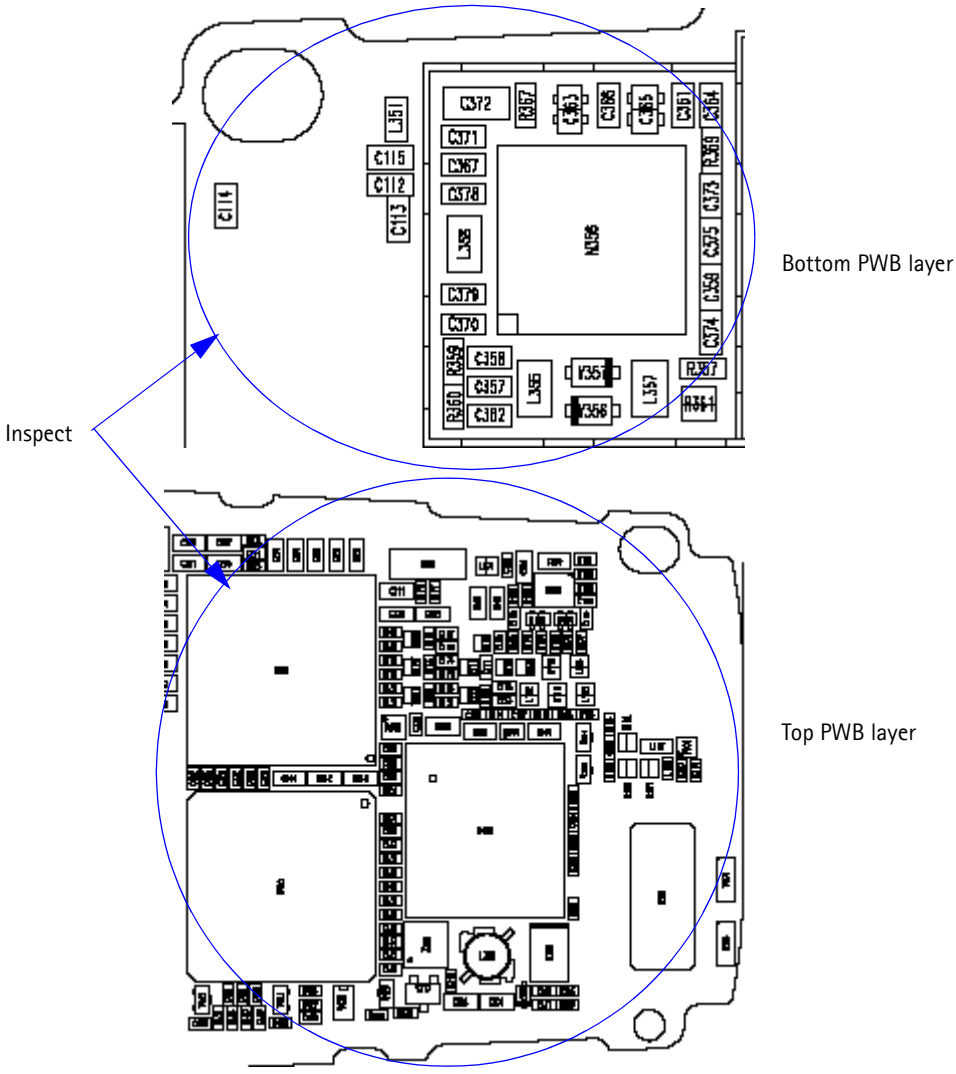

Figure 2: Bottom and top PWB layer inspection areas

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